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ARS-71-23-4
February 1966

UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Service

COMPOSITION OF OILSEEDS
A LIST OF PUBLICATIONS AND PATENTS FOR 1965

of the
Northern Utilization Research and Development Division
Peoria, Illinois

PUBLICATIONS

[Publications marked (*) are not available for distribution. When requesting specific reprints, please order by number.]

1762 SEED MEAL FROM *CRAMBE ABYSSINICA*.
C. H. VanEtten, M. E. Daxenbichler, J. E. Peters, I. A. Wolff, and A. N. Booth.[1]
J. Agr. Food Chem. 13(1): 24-27. January-February 1965.

1771 NEW CROPS. A LIST OF PUBLICATIONS FOR 1964.
North. Util. Res. Devlpmt. Div., Agr. Res. Serv., U.S. Dept. Agr. ARS-71-19-3. February 1965. 3 pp. [Processed]

1778 A NEW ACID FROM *CALEA URTICAEFOLIA* SEED OIL: *TRANS*-3,*CIS*-9,-*CIS*-12-OCTADECATRIENOIC ACID.
M. O. Bagby, W. O. Siegl, and I. A. Wolff.
J. Am. Oil Chemists' Soc. 42(1): 50-53. January 1965.

1782 COMPOSITION OF OILSEEDS. A LIST OF PUBLICATIONS FOR 1964.
North. Util. Res. Devlpmt. Div., Agr. Res. Serv., U.S. Dept. Agr. ARS-71-23-3. February 1965. 2 pp. [Processed]

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[1] Western Utilization Research and Development Division, Albany, Calif.

1789 A NEW THIOGLUCOSIDE, (R)-2-HYDROXY-3-BUTENYLGLUCOSINOLATE FROM *CRAMBE ABYSSINICA* SEED.
M. E. Daxenbichler, C. H. VanEtten, and I. A. Wolff.
Biochemistry 4(2): 318-323. February 1965.

1790 *HELICHRYSUM* SEED OIL. II. STRUCTURE AND CHEMISTRY OF A NEW ENYNOLIC ACID.
R. G. Powell, C. R. Smith, Jr., C. A. Glass, and I. A. Wolff.
J. Org. Chem. 30(2): 610-615. February 1965.

1809 ALKALINE ISOMERIZATION OF METHYL CREPENYNATE.
K. L. Mikolajczak, M. O. Bagby, and I. A. Wolff.
J. Am. Oil Chemists' Soc. 42(3): 243-245. March 1965.

1810 SEARCH FOR NEW INDUSTRIAL OILS. XII. FIFTY-EIGHT EUPHORBIACEAE OILS, INCLUDING ONE RICH IN VERNOLIC ACID.
R. Kleiman, C. R. Smith, Jr., S. G. Yates, and Quentin Jones.[2]
J. Am. Oil Chemists' Soc. 42(3): 169-172. March 1965.

1811 *HELICHRYSUM* SEED OIL. I. SEPARATION AND CHARACTERIZATION OF INDIVIDUAL ACIDS.
R. G. Powell, C. R. Smith, Jr., and I. A. Wolff.
J. Am. Oil Chemists' Soc. 42(3): 165-169. March 1965.

1812 EFFECT OF UNUSUAL ACIDS ON SELECTED SEED OIL ANALYSES.
I. A. Wolff and T. K. Miwa.
J. Am. Oil Chemists' Soc. 42(3): 208-215. March 1965.

1815 * THE SEARCH FOR NEW INDUSTRIAL CROPS. V. THE SOUTH AFRICAN CALENDULEAE (COMPOSITAE) AS A SOURCE OF NEW OIL SEEDS.
Arthur S. Barclay[2] and F. R. Earle
Econ. Botany 19(1): 33-43. January-March 1965.

1820 * THE SEARCH FOR NEW INDUSTRIAL CROPS. IV. PROSPECTUS OF *LIMNANTHES*.
Howard Scott Gentry[2] and R. W. Miller.
Econ. Botany 19(1): 25-32. January-March 1965.

1824 A C_{17}-HYDROXY-ACID FROM THE OIL OF *ACANTHOSYRIS SPINESCENS*.
R. G. Powell and C. R. Smith, Jr.
Chem. Ind. (London) (11): 470. March 13, 1965.

1850 A CRYSTALLINE POLYPEPTIDE FROM THE SEED OF *CRAMBE ABYSSINICA*.
C. H. VanEtten, H. C. Nielsen, and J. E. Peters.
Phytochemistry 4(3): 467-473. May 1965.

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[2] USDA Crops Research Division, Beltsville, Md.

137-C THE COMPOSITION OF THE OIL OF BERTEROA INCANA AND THE POTENTIAL VALUE OF ITS SEED AS A CASH CROP FOR MONTANA.
K. J. Goering, Robert Eslick, and D. L. Brelsford.
Montana State College, Bozeman.[3]
Econ. Botany 19(1): 44-45. January-March 1965.

73-F POLYSACCHARIDES OF SOY-BEANS. PART I. GALACTOMANNANS FROM THE HULLS.
G. O. Aspinall and J. N. C. Whyte.
University of Edinburgh, Edinburgh, Scotland.[4]
J. Chem. Soc. 1964: 5058-5063. December.

1883 PROTOTROPIC REARRANGEMENT OF A 1,4-ENYNE. PRODUCTS AND MECHANISM.
K. L. Mikolajczak, M. O. Bagby, R. B. Bates, and I. A. Wolff.
J. Org. Chem. 30(9): 2983-2998. September 1965.

1891 FLAVOR AND OXIDATIVE STABILITY OF SOME LINOLENATE-CONTAINING OILS.
Helen A. Moser, C. D. Evans, G. Mustakas, and J. C. Cowan
J. Am. Oil Chemists' Soc. 42(9): 811-813. September 1965.

1898 DIMPLED-BOTTOMED FLASKS FOR HIGH-SPEED MAGNETIC STIRRING.
Thomas K. Miwa.
Chemist-Analyst 54(4): 121-122. October 1965.

1908 METHODS FOR DETERMINING THIOGLUCOSIDES IN CRAMBE ABYSSINICA.
J. E. McGhee, L. D. Kirk, and G. C. Mustakas.
J. Am. Oil Chemists' Soc. 42(10): 889-891. October 1965.

1912 SEARCH FOR NEW INDUSTRIAL OILS. XIII. OILS FROM 102 SPECIES OF CRUCIFERAE.
Roger Wayne Miller, F. R. Earle, I. A. Wolff, and Quentin Jones.[2]
J. Am. Oil Chemists' Soc. 42(10): 817-821. October 1965.

1917 A C_{26}-KETO-ACID FROM THE OIL OF CUSPIDARIA.
C. R. Smith, Jr. and R. W. Miller.
Chem. Ind. (London) (46): 1910. November 13, 1965.

1922 DIHYDROXY FATTY ACIDS IN CARDAMINE IMPATIENS SEED OIL.
K. L. Mikolajczak, C. R. Smith, Jr., and I. A. Wolff.
J. Am. Oil Chemists' Soc. 42(11): 939-941. November 1965.

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[3] Report of research work done by an outside agency under contract with the U.S. Department of Agriculture and supervised by the Northern Division.

[4] Report of research work supported with funds provided by the U.S. Department of Agriculture under the authority of U.S. Public Law 480, 83rd Congress, and sponsored by the Northern Division.

1926 LABALLENIC ACID. A NEW ALLENIC ACID FROM LEONOTIS NEPETAEFOLIA SEED OIL.
M. O. Bagby, C. R. Smith, Jr., and I. A. Wolff.
J. Org. Chem. 30(12): 4227-4229. December 1965.

1934 OPTICAL ROTATORY DISPERSION AND ABSOLUTE CONFIGURATION. VI. STRUCTURE AND ABSOLUTE CONFIGURATION OF HELENYNOLIC ACID.
J. Cymerman Craig,[5] S. K. Roy,[5] R. G. Powell, and C. R. Smith, Jr.
J. Org. Chem. 30(12): 4342-4343. December 1965.

145-C USE OF DYE BINDING METHOD FOR PROTEIN ESTIMATION IN CRUCIFERAE MEALS.
K. J. Goering and Jerry Yao.
Montana State College, Bozeman.[3]
Proc. Montana Acad. Sci. 24: 59-80. 1964.

149-C A SEARCH FOR HIGH ERUCIC ACID CONTAINING OILS IN THE CRUCIFERAE.
K. J. Goering, Robert Eslick, and D. L. Brelsford.
Montana State College, Bozeman.[3]
Econ. Botany 19(3): 251-256. July-September 1965.

PATENTS

[These patents are assigned to the Secretary of Agriculture. Printed copies of patents may be obtained only by purchase (50 cents each) from the Commissioner of Patents, U.S. Patent Office, Washington, D.C. 20231. Order by number, do not send stamps.]

PROCESS FOR PRODUCING UNDECANEDIOIC ACID FROM PLANT SOURCES.
Kenneth L. Mikolajczak.
U.S. Patent 3,217,046. November 9, 1965.

METHOD OF PREPARING A WAX ESTER SUBSTITUTE FOR JOJOBA OIL.
Thomas K. Miwa and Ivan A. Wolff.
U.S. Patent 3,226,406. December 28, 1965.

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[5] University of California, San Francisco.